

# Anjali Tomerlin

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## Education

### University of Florida

B.S. in Statistics and Mathematics

◆ 4.0 GPA

Gainesville, FL

Aug. 2025 – May 2029

## Technical Skills

**Programming:** R, Python, C#, Java, JavaScript

**Tools & Software:** QGIS, Excel, Git

**Documentation:** LaTeX, Quarto, Markdown

## Research Experience & Leadership

### Undergraduate Research Intern, UF Health Science Center Libraries — Gainesville, FL

Jan. 2026 – Present

- ◆ Co-develop a teaching module on compartmental epidemiological models (SIR models) from scratch in R and Quarto with Dr. Francisca Javiera Rudolph.
- ◆ Expected co-authorship on online open-source educational resource that emphasizes computational literacy.

### Undergraduate Research Assistant, McGuire Center for Lepidoptera and Biodiversity — Gainesville, FL

Sep. 2025 – Present

- ◆ Conduct research as part of the UF Emerging Scholars Program, compiling and cleaning a dataset of 25,000+ neotropical butterfly locality points for subtribe *Euptychiina*.
- ◆ Develop and modify existing workflows in R and QGIS to generate reproducible species richness maps.
- ◆ Collaborate with Dr. Keith Willmott to construct statistical models explaining observed species richness patterns.
- ◆ Expected co-authorship on resulting publications from ongoing research.

### Workshop Coordinator, UF Data Science and Informatics Club

Sep. 2025 – Present

- ◆ Develop materials and conduct monthly workshops for UF's largest data science student organization with 1,000+ members.
- ◆ Led workshops on introductory R programming, Bayesian belief networks, and machine learning classifiers.

### Mathematics Sub-Organization Director, UF oSTEM Chapter

Nov. 2025 – Present

- ◆ Serve as liaison between members in math-related disciplines and the executive board.
- ◆ Design and lead math-related activities for monthly meetings, including a presentation exploring the role of mathematics in the invention of everyday objects.

## Honors & Awards

- ◆ National Merit Scholar (2025)
- ◆ UF Presidential Scholarship Recipient (2025)
- ◆ Atlas Fellowship Finalist (2023)
- ◆ Two-time Daytona State College Outstanding Writing Award (2024)
- ◆ Outstanding Distinction, SIMIODE SCUDEM Mathematical Modeling Challenge (2025)